V 2.2E

AVIDHIFI

INSTRUCTION MANUAL

VOLVERE SP
VOLVERE SEQUEL SP

Extended 5-Year Warranty

AVID is pleased to extend the normal warranty duration to 5-Years from the date of original shipping. This warranty is transferable in the unlikely event that you would sell this unit onto another party. Register your product at:

www.avidhifi.co.uk/register.htm

Contents

Section	Page
Preface	3
Introduction	3
Warnings	3
Packing	3
Parts Checklist	3
Set-up Instructions	4
Power Supply	6
Servicing	7
Cleaning	7
Warranty	7
Specifications	8

WARNING

YOU MUST ALWAYS REMOVE THE PLATTER AND BEARING AND USE THE TRANSIT PACKAGING WHEN YOU TRANSPORT YOUR TURNTABLE OR YOU MAY DAMAGE THE BEARING

DON'T PUT IT ON THE BACK SEAT OF YOUR CAR—YOU'LL BREAK IT

PREFACE

Please take time to read this Instruction Manual before unpacking your AVID Turntable.
This product is a precision engineered machine and whilst damage is unlikely with careful handling, the sheer mass of some of the parts could lead to damage of less robust parts within its design. Some of these parts have been excluded from the warranty.

<TAKE CARE AND READ THIS MANUAL>

INTRODUCTION

Volvere and Sequel are audio analogue turntables manufactured to extreme limits of precision, design and detail. There are many unique and novel features in these products and their design allows you to install the pick-up arm and cartridge of your choice. With correct ancillary equipment it will take your listening pleasure to new levels of excellence.

Whilst it shares some features found in other turntables, it has been designed without compromise not trying to emulate or improve existing designs but redefine the whole thinking behind turntable design.

We hope that you enjoy this turntable for many years!

WARNINGS

1. To prevent fire or electric shocks do not expose either the power supply or motor assembly to rain or moisture.
2. The Main Bearing contains a Sapphire Cup Jewel and this can be damaged if proper care is not taken (see set-up and warranty) and this will affect or stop your turntable working correctly.
3. The Power Supply contains voltages, which can cause serious injury or death as there are no user serviceable parts and there is no reason to open it. In situations of failure return to an approved dealer or service agent. There are calibrated components inside and altering their settings will affect the performance and void the warranty.
4. The Motor is a factory sealed component and must under no circumstances be opened or adjusted. If you experience what you think to be a problem consult an approved dealer, service agent or AVID direct.

PACKAGING

Save all the packing in a dry place away from fire hazard. The AVID turntable is a precision instrument and the packaging has been especially designed so that all component parts are safe during transportation.
You should not have occasion to return your unit to us, but if you need to, the unit must be shipped in its original packaging to keep it from damage. In the event of the packing being lost or damaged further packing can be provided at cost.
Do not transport the turntable assembled. This may cause damage and void the warranty.

PARTS CHECKLIST

The packing has been designed to eliminate parts being missed, however if something is found to be amiss please contact your dealer.

Instruction Manual	1	Drive Belt	2	Suspension Lateral O-ring	3
Platter	1	Main Bearing	1	Wrench Key Size 3mm A/F	1
Sub-Chassis	1	Power Supply (sequel)	1	Belt Pin	1
Clamp	1			Power Cord	1
Main Chassis	1	Power Supply Connecting Cable (sequel)			1
4mm Tungsten Carbide Ball	1				

SET UP INSTRUCTIONS

THE SUPPLIED PACKAGING IS VITAL FOR PROTECTION AND SHIPPING.
IT SHOULD BE RETAINED AND REPLACEMENT PACKAGING IS COSTLY.
PACKAGING IS LAYERED, ALL PARTS HAVING THEIR PLACE.

VOLVERE

LAYER 1: Main Bearing
Clamp
Power Supply (for Sequel only)
Lift out the top layer using the hand holes at side.
Arms can be pre-mounted for transportation and the suspension may be factory adjusted. Further adjustment may be required on final installation.
(Arm shown for illustration purpose only)

SEQUEL

LAYER 2: Subchassis and optional arm/cartridge if fitted.
Power Cord and Accessory Pack.
Lift out using the hand holes at the side.

LAYER 3: Main Chassis.

Carefully lift out. The white protective foam may lift away when you do this. They will need to be removed for access to the bottom layer.

LAYER 4: Platter.

Remove from packaging.
Please remember this is heavy.

All our turntables offer the opportunity to set up the arm/cartridge off the suspension. This allows more stability and accuracy. Place the subchassis on a suitable surface and install the pick up arm and cartridge. Clean the top of the spindle with clean tissue paper.

Place the bearing ball into the top of the spindle.
Do not use glue or lubrication, as this will damage the bearing.
Carefully lower the main bearing onto the spindle taking special care not to drop or hit the sapphire onto the ball.
This will lower quickly as there is a pressure release hole in the top.

Slowly lower the platter onto the main bearing.

Use Extreme care not to drop or impact onto the bearing as this could damage the sapphire bearing.

After fitting a record and the clamp use the alignment tools suitable to correctly set up your pick-up arm and cartridge.
Once done it can be carefully disassembled for fitting onto the main chassis suspension.

Ideally the main chassis will be placed onto a level surface, however the feet offer adjustment for levelling if required.
Fit the lateral suspension O-rings into the groove at the top of each suspension housing.

Carefully fit the subchassis to the main chassis, locating the subchassis legs into the suspension cups at the base of each spring.
Take care that the subchassis does not tip off due to the weight of the fitted arm. You can apply some downwards pressure to the subchassis to make sure the legs are fully inserted.

Now stretch each of the lateral suspension O-rings over the corresponding fixing on the subchassis underside.

Platter and drive belt fitting.

Place the platter top face down. Locate a small hole on the edge rim of the platter. Once found insert the belt fitting pin.

Always make sure you have clean hands when handling the drive belt and before fitting the belt it is a good idea to clean the platter drive hub and motor drive pulley.
Stretch the two belts over the hub onto the fitting pin one at a time making sure they are not twisted together.

Carefully fit the platter onto the main bearing, making sure the location of the belt fitting pin is between the motor and the front left suspension housing.

Gently lift the platter edge exposing the motor pulley. Rotate the platter and dress the belts onto the drive pulley. Once done remove the belt fitting pin.

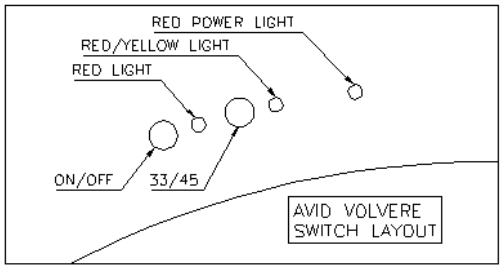
Place a record onto the platter and fit the clamp. Manually rotate the platter to correctly align the drive belt before switching on.

Suspension set-up and adjustment.
The turntable platter should be approximately level, however **this is not critical** and other factors are more important to obtaining the best performance. Once adjusted the platter should bounce with a smooth piston type movement, the drive belt running without movement.
You can check this by looking under the platter whilst running.
As a starting point level each spring so that the lateral O-rings are level. This is done by inserting the supplied Allen wrench into the hole in the subchassis. Push down to engage the adjuster, turning clockwise to lower the suspension or anticlockwise to raise.
Adjust as required to obtain the correct final set up.

Finally fit the suspension hole covers.

DRESSING THE ARM LEAD is just as important as setting the suspension. Incorrectly done or if the lead is too stiff the suspension will be prevented from working. Thick heavy or stiff leads are not recommended and should not be necessary as the cartridge output signal is so small.

POWER SUPPLY



Depending on your purchase you will have the Standard or Incorporated power supply, both purpose designed "state-of-the-art" units for the powerful motors used.
Your warranty becomes void should anybody tamper with the internal settings.

VOLVERE SP INCORPORATED PSU

This is located on the underside of the main chassis.
Rear Panel: IEC Mains socket; External fuse holder.
Front Panel: Mains power on/off switch.
Speed Control: Two buttons operate PLAY/STOP and speed selection with LED lights to confirm. Speed selection cannot be changed with the unit in PLAY mode.

Standard PSU (SEQUEL ONLY)

SEQUEL SP STANDARD PSU

Rear Panel: IEC Mains socket; External fuse holder; DIN
Front Panel: Power light; PLAY; Speed selection buttons
PSU output socket. This is a locking DIN type, matching the motor supply lead. Do not alter this cable, it will affect the motor performance and void the warranty.

Fuse in turntable PSU	
	PSU
220~250v	T1.0A slow blow
100~120v	T2.0A slow blow

The mains cable provided or a suitable alternative should be fused at no more than 5 AMPS.
It is recommended that when not in use the unit be switched off, as this will extend the life of the internal components. There is no sonic benefit in leaving the unit permanently switched on.

The standard supply will get warm as the rear panel is used as a heat sink.
If it gets extremely hot, switch off and contact your dealer or AVID.

Speed adjustment. You will need a strobe disc or alternative to correctly adjust platter speed.

SEQUEL; Select which speed you wish to adjust and press and hold both 33rpm and 45rpm buttons together until the light flashes. The flashing light indicates adjustment mode is selected. Pressing the 33rpm button slows the platter and 45rpm increases the speed. Once correct speed is achieved press both buttons again to lock.
VOLVERE; Identical to above just using the two buttons on the power supply.

DO NOT SEE HOW FAST OR SLOW YOU CAN GO AS THIS WILL OVER-LOAD THE SUPPLY AND IT WILL POSSIBLY BECOME FAULTY. ABUSE IS EXCLUDED FROM OUR WATTANTY.

SERVICING

Because of the careful design of this product general servicing is not required.
The only two things that will need attention will be:
1. Drive Belt, which we suggest be replaced annually.
2. Main Bearing Lubrication. This should be done by AVID after approximately 10 years service.

CLEANING

To maintain the visual appearance, occasionally dust the surfaces with a normal duster - no need for any sprays or polishes.
DO NOT ATTEMPT TO CLEAN THE DRIVE BELT WITH ANYTHING.
IF DIRTY OR GREASY IT WILL PROBABLY NEED REPLACING.
Never use cleaners containing abrasives, as this will damage the surface.

Warranty Statement

UK Residents

AVID HIFI Limited products are warranted against defects in materials and workmanship for a period of two years from the original date of purchase, or no later than three years from the date of shipment to an authorized AVID agent, which ever comes first, extending to five years subject to the product owner having submitted the Registration form (*www.avidhifi.co.uk/register.htm*).
Also the following conditions being observed.

- The product must have been purchased through an authorized AVID dealer
- This warranty is in favour of the original purchaser only, except where...
- Warranties are transferable to subsequent owners provided the new owner completes the product registration form. Warranty obligation is passed from dealer to manufacturer.
- During the warranty period, AVID will repair, or replace any defects in material or workmanship, without charge for parts or labour.
- Should product need to be returned a written description of the defect and a photocopy of the original purchase receipt must accompany it. Receipts must show the model, serial number, date of purchase, name and address of purchaser and authorized dealer and the price paid.
- Returned product must be packed in the original packing and returned to AVID or original dealer by the customer at his/her expense. AVID will pay return freight of its choice.
- The warranty is void if the product has been used or handled other than in accordance with the instruction manual supplied, abused or misused, damage by accident or neglect or in being transported, or the defect is due to the product being repaired or tampered with by anyone other than AVID or an dealer with prior authorization.
- The warranty is void if the product serial number has been removed, altered or made illegible.
- The warranty is void if the product has been taken out of the country of purchase.
- Specific parts excluded from this warranty include: sapphire thrust bearing, drive belts and O-rings.
  These items have no warranty, however replacements may be issued by AVID at our discretion.
- AVID shall not be held liable for incidental or consequential damages of any kind arising from the sale or use of its products.
- The warranty applies to ex-demonstration product, using the date of manufacture as purchase date.
- Where the product is sold under a consumer transaction (as defined by the Sale of Goods Act 1979) the statutory rights of the purchaser are not affected by this warranty.
- Products are sold on the basis of specifications applicable at the time of sale. AVID shall have no obligation to modify or to update products once sold.

Outside UK

- AVID has formal distribution in many countries throughout the world. In each country the AVID importer has contractually accepted the responsibility for the product warranty. Warranty should normally be obtained from the importing agent or distributor from whom you obtained your product. In the unlikely event of service required beyond the capability of the importer, AVID will, of course, back up the warranty.
- Where product has been either supplied directly or there is no current distributor, AVID accepts responsibility for the warranty period.
- Returned product must be packed in the original packing and returned to AVID by the customer at his/her expense. AVID will pay return freight of its choice.
- The warranty is only valid in the country of purchase.
- Products outside there original destination requires that units with remaining warranty be returned to the country of purchase for the warranty to be valid. Customer is responsible for freight both ways and all associated import and export charges.
- Foreign distributors are not required to provide warranty service, repair or change AC mains voltage on units that they did not originally import and sell.
- Foreign distributors may at their discretion offer service for a fee.

MISCELLANEOUS. ANY IMPLIED WARRANTIES RELATING TO THE ABOVE PRODUCT SHALL BE LIMITED TO THE DURATION OF THIS WARRANTY. THE WARRENTY DOES NOT EXTEND TO ANY INCIDENTAL OR CONSEQUENTIAL COSTS OR DAMAGES TO THE PURCHASER.

WARRANTOR. Inquiries regarding the Limited Warranty may be sent to the following address:
AVID HIFI Limited. Bicton Industrial Park, Kimbolton, Huntingdon. PE28 0LW ENGLAND

SPECIFICATIONS

	Volvere	Volvere Sequel
DRIVE	BELT	
SPEEDS	33 and 45 rpm	
PLATTER MASS	6.7 Kg	
BEARING	Inverted stainless steel	
THRUST POINT	Tungsten carbide/Sapphire	
SUSPENSION	3 point, springs in vertical, o-rings in lateral	
TONEARMS	Std. cut for SME (adapters to order)	
MOTOR	Modified 24v 55mNm ac sync	Modified 24v 140mNm ac sync.
POWER SUPPLY	Incorporated	Separate control unit
VOLTAGE INPUT	100-240vac 50/60Hz 20 watts max. (depending on region)	
DIMENSIONS (overall)	425 x 370 x 205mm (WxDxH)	
(footprint)	375 x 325mm (WxD)	
(PSU)	N/A	250 x 215 x 95mm (WxDxH)
NET WEIGHT	12.3Kg (27lb)	12.5Kg (27lb) turntable 3.5Kg (8lb) psu only
PACKAGING	450 x 480 x 500mm (WxDxH)	
SHIPPING WEIGHT	18.5Kg (41lb)	20.0Kg (44lb)

AVID reserves the right to improve or change its products without notice at any time.

EC Declaration of Conformity 17 July 2002

We declare that our Acutus, Sequel and Volvere PSU conform to directives and harmonized international standards

LVD (73/23/EEC) Low voltage directive EMC (89/36/EEC) Electromagnetic conformity

BS EN 60065: 1994 Safety requirements for mains operated electronic and related apparatus for household and similar use

CENELEC HD21/22 Flexible cables and cords
EN 55020: 1988 Electromagnetic Immunity
EN 55013: 1990 Electromagnetic Emissions

C. Mas **Director** AVID HIFI Limited